

Remarks

Claims 1-6 and 13-16 were rejected under 35 U.S.C. 101, and have been amended and reconsideration and withdrawal of the rejection are respectfully requested.

The claims have been amended, with "object data file" being added to the independent claims (based on page 31, lines 3 to 17, page 39, lines 23 to 25, page 41, line 12, through page 42, line 3, and page 65, lines 7 to 16); with "play list information file" being add to the independent (based on page 36, line 20, through page 37, line 7, and page 44, line 21, through page 45, line 10); with "object information file" being added the independent claims (based on page 39, lines 14-22); and with "the sub-picture control information including (ii) identification information, (iii) sub-frame display position information, (iv) cut out range information, (v) button number information, (vi) button state information and (vii) command information" being added to independent claims (based on page 67, line 17, through page 68, line 6, page 72, lines 10-22, and page 76, lines 8-21.) Claims 6 and 16 have been canceled.

Claims 1-16 were rejected as anticipated by MIZUMURA et al. 2002/0001453. Reconsideration and withdrawal of the rejection of claims 1-5 and 6-15 are respectfully requested.

MIZUMURA et al. do not disclose the "sub-frame which forms one portion of the sub-picture". More specifically, MIZUMURA et al. disclose that each of the sub-picture and the OSD data is

located at each of the predetermined display positions on a main video screen (see paragraph 0008). MIZUMURA et al. disclose that the OSD data is to display information about management of reproduction information including the title and chapters of a disc, information about control of reproduction modes including repeated reproduction and random reproduction, and an OSD character string (see paragraph 0003). Thus, in this reference, the OSD data is NOT one portion of the sub-picture. Namely, in the reference, the OSD data is different and independent data from the sub-picture.

Therefore, the reference does not disclose or suggest the "sub-frame which forms one portion of the sub-picture".

In addition, since MIZUMURA et al. do not disclose the "sub-frame", MIZUMURA et al. do not disclose or suggest the "sub-picture control information including various information related to the sub-frame". More specifically, the reference does not disclose or suggest "(i) sub-frame control information to control displaying sub-frame which forms one portion of the sub-picture, (ii) identification information to indicate the sub-picture information which is a control target by the sub-frame control information, (iii) sub-frame display position information to indicate a display position of the sub-frame, (iv) cut out range information to indicate a range of the sub-picture which forms the sub-frame by cutting-out one portion of the sub-picture, (v) button number information to indicate the number of button which

is formed by the sub-frame, (vi) button state information to indicate an initial button state of the button, and (vii) command information to indicate a command which is to be performed in accordance with the button".

Particularly, as described above, the reference does not disclose that one portion of the OSD data or the one portion of the sub-picture is cutting-out from the OSD data or the sub-picture. Therefore, the reference does not disclose the "cut out range information to indicate a range of the sub-picture which forms the sub-frame by cutting-out one portion of the sub-picture". According to the present invention, by using the "cut out range information", it is possible to make different sub-frames from one sub-picture. Thus, it is possible to use one sub-picture in different display aspects, which leads to a reduction of the data size.

In addition, MIZUMURA et al. do not disclose the "play list information file for storing play list information which includes a plurality of item information each of which indicates a reproduction unit of the object data" and the "object information file for storing object information which indicates an address of the object data which is indicated by each of the plurality item information"

Accordingly, the claims avoid the rejection under §102.

In view of the present amendment and the foregoing remarks, it is believed that the present application has been placed in

condition for allowance. Reconsideration and allowance are respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future submissions, to charge any deficiency or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

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